

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| L1    | 715  | ("silicon-rich silicon oxide" or (silicon?rich near2 silicon near2 oxide) or srso or si-nc or (si near2 nc)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/10 07:53 |
| L2    | 63   | L1 and (laser or lasing or lase)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/10 07:53 |
| L3    | 11   | L2 and (rare-earth or (rare near2 earth))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/10 07:53 |
| L4    | 5169 | ((si or silicon) with (nanocrystal or nano-crystal or nc))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/10 07:55 |
| L5    | 575  | L4 and (laser or lasing or lase)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/10 07:55 |
| L6    | 560  | L4 and (laser or lasing)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/10 07:55 |
| L7    | 15   | L5 not L6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | ON      | 2006/04/10 07:55 |
| L9    | 0    | ("20000017657").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/04/10 07:57 |
| L12   | 3    | ("20040252738").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/04/10 09:58 |

## EAST Search History

|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| L13 | 425  | 372/102.ccls. and bragg                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 10:29 |
| L14 | 52   | 372/50.121.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 10:29 |
| L15 | 11   | L14 and (cavity with length)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 10:59 |
| L16 | 279  | 372/50.12,50.121,50.122.ccls.                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 11:01 |
| L17 | 3    | ("4751709").PN. OR ("4878223").<br>URPN.                | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2006/04/10 11:40 |
| L18 | 1150 | 372/50.1-50.23.ccls. and fiber                          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 11:50 |
| L19 | 33   | L18 and ferrule   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 11:53 |
| L20 | 93   | L16 and fiber   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 11:54 |
| L21 | 0    | L20 and ferrule   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 11:54 |
| S1  | 5    | (redgivn or "rare earth doped group<br>iv nanocrystal") | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2006/04/10 07:47 |

## EAST Search History

|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S2  | 5168 | ((si or silicon) with (nanocrystal or nano-crystal or nc))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/08 14:26 |
| S3  | 1977 | S2 and las\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/08 14:27 |
| S4  | 560  | S2 and (laser or lasing)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/10 07:54 |
| S5  | 55   | S4 and (rare-earth or (rare near2 earth))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/10 07:53 |
| S6  | 207  | ("0163003" "0017657" "5434878" "6294401" "0070121").PN"                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/08 15:59 |
| S7  | 14   | ("20020048289" "20030034486" "20040183087" "5422907" "5637258" "5667905" "6255669").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/08 15:59 |
| S8  | 74   | ("200163003" "200017657" "5434878" "6294401" "200070121").PN"                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON  | 2006/04/08 16:03 |
| S9  | 3    | ("2001063003").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/08 16:04 |
| S10 | 2    | ("200163003").PN.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/08 16:05 |
| S11 | 3    | ("2001063003").PN.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/08 16:05 |

## EAST Search History

|     |   |                    |   |    |     |                  |
|-----|---|--------------------|---|----|-----|------------------|
| S12 | 2 | ("5434878").PN.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/08 16:06 |
| S13 | 2 | ("6294401").PN.    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/08 16:06 |
| S14 | 3 | ("2000017657").PN. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/04/08 16:07 |